

ABSTRACT

A battery remaining capacity calculating method, a battery remaining capacity calculating device, and a battery remaining capacity calculating program that make it possible to estimate the remaining capacity of a secondary battery with high accuracy using a relatively simple circuit configuration. An output voltage value of the secondary battery is measured, a use mode of the secondary battery is divided into a high consumption mode in which the output voltage value is not lower than a threshold value and a low consumption mode in which the output voltage value is lower than the threshold value, a remaining capacity in the low consumption mode is calculated on a basis of a predetermined reference voltage curve as a discharge characteristic of the secondary battery and the output voltage value, and a remaining capacity in the high consumption mode is calculated supposing that there is little change in the remaining capacity at a time of change from the low consumption mode to the high consumption mode. In the high consumption mode, the remaining capacity may be calculated on a basis of a reference remaining capacity as a remaining capacity before the use mode change, a start voltage as an output voltage at a time of a start

of the high consumption mode, a predetermined cutoff voltage of the secondary battery, and the output voltage value.